

TABLE OF CONTENTS

CHAPTER	TITLE	PAGE
	DECLARATION	ii
	DEDICATION	iii
	ACKNOWLEDMENT	iv
	ABSTRACT	v
	ABSTRAK	vi
	TABLE OF CONTENTS	vii
	LIST OF TABLES	xiv
	LIST OF FIGURES	xv
	LIST OF ABBREVIATIONS	xvi
	LIST OF APPENDICES	xii
1	PROJECT OVERVIEW	1
	1.1. Introduction	1
	1.2. Background of Problem	2
	1.3. Problem Statement	4
	1.5. Project Objective	4
	1.6. Scope	5
	1.7. Importance of Project	5
	1.9. Chapter Summary	6

2	LITERATURE REVIEW	7
2.1.	Introduction	7
2.2.	Service-Learning	9
2.3.1.	Research Service-Learning	10
2.3.2.	Research Service-Learning Philosophy	10
2.3.3.	History of Research Service-Learning	12
2.3.4.	Goals of Research Service Learning	13
2.3.5.	Quality of Research Service learning	13
2.3.6.	Importance of Research Service Learning	15
2.3.7.	Dimensions of RSL Institutionalization	16
2.3.	Characteristics of Research Service-Learning	19
2.3.1.	Purposeful Reflection	19
2.3.2.	Opportunity of Research Service-Learning	21
2.3.3.	Elements of Research Service-Learning	21
2.3.3.1.	Community Voice/Student Voice	23
2.3.3.2.	Orientation and Training	23
2.3.3.3.	Reflection	24
2.3.3.4.	Evaluation Community Improvement	24
2.4.	Models of Research Service-Learning	24
2.5.1	Pure-Research Service-Learning	25
2.5.2	Discipline Based Research Service-Learning	25
2.5.3	Problem Based Research Service-Learning	26
2.5.4	Capstone Course Model	26
2.5.5	Internship Model	27
2.5.6	Undergraduate Community-Based action	27
2.5.	Types of Research Service-Learning	28
2.6.	Research Service-Learning in Computer Science	29
2.7.	Institutionalization of RSL	31
2.7.1.	Tips of Research Service-learning Success	32
2.8.	Research Service-Learning Outcome	33
2.8.1.	Benefits of Research Service-Learning	33
2.8.2.	Tangible Outcome	34
2.8.3.	Student Outcome	35
2.8.4.	Faculty Outcome	36
2.8.5.	Community Outcome	36

2.9.	Case Study	37
2.10.	Conclusion	41
3	RESEARCH METHODOLOGY	42
3.1	Introduction	42
3.2	Project Methodology	43
3.3	Operational Framework	43
3.3.1.	Phase 1: Initial Planning Phase	45
3.3.2.	Phase 2: Literature Review Data Collection and Data analysis	45
3.3.2.1.	Literature Review	45
3.3.2.2.	Data Collection.	46
3.3.2.3.	Data Analysis.	46
3.3.3.	Phase 3: Design and Develop Framework	47
3.3.4.	Phase 4: Prepare Implementation Report writing Project Presentation	47
3.4	Data Collection	50
3.4.1.	Online Research (Internet)	50
3.5.1.	Offline Research	50
3.5	Project Development Method:	51
3.6	Sampling and Respondents	51
3.6.1.	FSKSM Undergraduate Decision Makers staff	52
3.7	Data Analysis	53
3.7.1.	Data analysis Method	53
3.8	Research Strategy	54
3.9	Project Schedule	56
3.10	Project Justification	56
3.11	Chapter Summery	57
4	DATA ANALYSIS AND FINDINGS	58
4.1	Introduction	58
4.2	Organizational analysis	59
4.2.1.	Introduction to FSKSM	59
4.2.2.	FSKSM Objectives	60
4.2.3.	Mission and Vision of FSKSM	61

4.2.4. FSKSM Organizational Structure	61
4.3 Data collection	61
4.4 Preliminary Survey	62
4.5 Data analysis	62
4.5.1. Interview Analysis	63
4.6 Curriculum Infrastructure	70
4.7 Proposed Model of RSL for FSKSM	71
4.7.1. Model Description	73
4.7.1.1.Inputs (i.e., Key Capacities)	74
4.7.1.1.1. Student/Internal Linkage	74
Community Partners	
4.7.1.1.2. Institutional Orientation	75
4.7.1.1.3. Human Resource	76
4.7.1.1.4. Leadership	76
4.7.1.1.5. Institutional Support	76
4.7.2. Problem Based Research Service-Learning Model	77
4.7.3. Steps of Activities (Faculty)	77
4.7.3.1.Asses Community Partners & Resource	78
4.7.3.2.Conduct formal assets Needs assessment	78
4.7.3.3.Negotiate Goals & Objectives in	78
Partners and Conduct Challenges	
4.7.3.5. Design the Program in the Partners	79
4.7.3.6. Organize and prepare Participants	79
4.7.3.7. Implement Monitor, Maintain and	80
Improve program	
4.7.3.8. Evaluate the Program and project from	80
multiple perspectives	
4.7.3.10.Celebrate Student's Achievement	80
4.7.5. Outcome of Participants	81
4.7.5.1.Students Outcome	81
4.7.5.2.Faculty	82
4.7.5.3.Community Partners	83
4.8. Curriculum Development Infrastructure	83
4.9. Phases of Model Integration to the Curriculum	84

4.10. Keys Sustainability of the Model	86
4.11. Role of FSKSM Students Participation	87
4.12. Students Attribute	87
4.13. Four Steps Of Risk Management For The Model	88
4.13.1. Risk identification	89
4.13.2. Risk analysis and evaluation	90
4.13.3. Risk management	90
4.13.4. Risk monitoring and review	91
4.14. Critical Success Factor	91
4.14.1. Students Rights	91
4.14.2. Responsibilities	92
4.14.3. Deal with Challenges	93
4.15. Chapter Summary	95
 5	
ORGANIZATIONAL STRATEGY	96
5.1. Introduction	96
5.2. FSKSM Strategy of Research Service-Learning	97
5.3. Guide of RSL Model for FSKSM	98
5.4. Expected Organizational Benefits	99
5.5. Principles of Required for the Model Implementation	100
5.6. Chapter Summary	101
 6	
DISCUSSION AND CONCLUSION	102
6.1. Introduction	102
6.2. Achievements	103
6.3. Constraints and Challenges	104
6.4. Aspiration	105
6.5. Chapter Summary	106
 REFERENCE	107
APPENDIX A - C	110-120

LIST OF TABLES

TABLE NO	TITLE	PAGE
2.1	Dimensions of Research Service-Learning Institutionalization	17
2.2	Comparison of the Models	40
3.1	details of operational framework	50
3.2	Difference between Qualitative and Quantitative Research, (Reichardt, 1979)	57
3.3	Relevant situations for different research strategies	58
4.1	Principles of Research Service-Learning Implementation	106

LIST OF FIGURES

FIGURE NO	TITLE	PAGE
2.1	The Framework of Literature review	8
2.2	Traditional Learning and Service-Learning	9
2.3	Overview of Purposeful Reflection Structure	21
3.1	Project Methodology framework	46
4.1	Proposed Model	78
4.2.	Phases of Integration Model to the Curriculum	91
4.3	Keys Sustainability of the Model	92
4.4	Model Risk Management	95

LIST OF APPENDICES

APPENDIX	TITLE	PAGE
1	Gantt chart (project schedule)	114
2	FSKSM organizational structure	116
3	Interview questions form	118